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UK and Ireland

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UK and Ireland: Research related to COVID-19

[Behavioral Change Towards Reduced Intensity Physical Activity Is Disproportionately Prevalent Among Adults With Serious Health Issues or Self-Perception of High Risk During the UK COVID-19 Lockdown](#). Rogers NT, Waterlow NR, Brindle H, Enria L, Eggo RM, Lees S, Roberts CH. *Front Public Health*. 2020 Sep 30;8:575091. doi: 10.3389/fpubh.2020.575091.

[Epidemiology of the First Wave of COVID-19 ICU Admissions in South Wales-The Interplay Between Ethnicity and Deprivation](#). Baumer T, Phillips E, Dhadda A, Szakmany T. *Front Med (Lausanne)*. 2020 Oct 7;7:569714. doi: 10.3389/fmed.2020.569714.

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International

[Obesity in children and adolescents: An overview](#). Bradwisch SA, Smith EM, Mooney C, Scaccia D. *Nursing*. 2020 Nov;50(11):60-66. doi: 10.1097/01.NURSE.0000718908.20119.01.

[Social comparison processes and adults' judgments of children's weight and intentions to control children's weight](#). Reichert J, Miller MK. *Health Psychol Res*. 2020 Oct 1;8(2):8797. doi: 10.4081/hpr.2020.8797.

[Childhood adherence to a potentially healthy and sustainable Nordic diet and later overweight: The Norwegian Mother, Father and Child Cohort Study \(MoBa\)](#). Agnihotri N, Øverby NC, Bere E, Wills AK, Brantsaeter AL, Hillesund ER. *Matern Child Nutr*. 2020 Oct 25:e13101. doi: 10.1111/mcn.13101.

Examining Chile's unique food marketing policy: TV advertising and dietary intake in preschool children, a pre- and post- policy study. Jensen ML, Carpentier FD, Adair L, Corvalán C, Popkin BM, Taillie LS. *Pediatr Obes*. 2020 Oct 26:e12735. doi: 10.1111/ijpo.12735.

Activity-Inactivity Patterns, Screen Time, and Physical Activity: The Association with Overweight, Central Obesity and Muscle Strength in Polish Teenagers. Report from the ABC of Healthy Eating Study. Górnicka M, Hamulka J, Wadolowska L, Kowalkowska J, Kostyra E, Tomaszewska M, Czezelewski J, Bronkowska M. *Int J Environ Res Public Health*. 2020 Oct 26;17(21):E7842. doi: 10.3390/ijerph17217842.

Work Characteristics, Body Mass Index, and Risk of Obesity: The National Quality of Work Life Survey. Myers S, Govindarajulu U, Joseph MA, Landsbergis P. *Ann Work Expo Health*. 2020 Oct 30:wxaa098. doi: 10.1093/annweh/wxaa098.

Promoting Healthy Eating and Regular Physical Activity in Low-Income Families Through Family-Centered Programs: Implications for Practice. Lappan SN, Carolan M, Parra-Cardona JR, Weatherspoon L. *J Prim Prev*. 2020 Oct 30. doi: 10.1007/s10935-020-00612-1.

Attributes of the food addiction phenotype within overweight and obesity. Schulte EM, Gearhardt AN. *Eat Weight Disord*. 2020 Oct 31. doi: 10.1007/s40519-020-01055-7.

Sociodemographic Correlates of Obesity among Spanish Schoolchildren: A Cross-Sectional Study. López-Gil JF, López-Benavente A, Tárraga López PJ, Yuste Lucas JL. *Children (Basel)*. 2020 Oct 28;7(11):E201. doi: 10.3390/children7110201.

Developing Content for the Food Environment Assessment Survey Tool (FEAST): A Systematic Mixed Methods Study with People with Disabilities. Lee RE, O'Neal A, Cameron C, Hughes RB, O'Connor DP, Ohri-Vachaspati P, Todd M, Nosek MA. *Int J Environ Res Public Health*. 2020 Oct 24;17(21):E7781. doi: 10.3390/ijerph17217781.

Interaction and influence of child and family characteristics upon success of weight management treatment. Bernstein R, Getzoff E, Gelfand K, Demeule-Hayes M, Scheimann A. *Eat Weight Disord*. 2020 Oct 31. doi: 10.1007/s40519-020-01052-w.

Efficacy and acceptability of a web platform to teach nutrition education to children. Domínguez Rodríguez A, Cebolla I Marti A, Oliver E, Navarro J, Baños Rivera RM. *Nutr Hosp*. 2020 Oct 29. doi: 10.20960/nh.03188.

Effectiveness of a family intervention on health-related quality of life-a healthy generation, a controlled pilot trial. Andermo S, Hellénus ML, Lidin M, Hedby U, Nordenfelt A, Nyberg G. *BMC Public Health*. 2020 May 29;20(1):809. doi: 10.1186/s12889-020-08895-z.

Exploring parents' provision of factors related to the establishment of physical activity between normal weight and overweight infants. Dinkel D, Rech JP, Snyder K. *J Spec Pediatr Nurs*. 2020 Oct 28:e12315. doi: 10.1111/jspn.12315.

Obesogenic Environment in Childhood: Implications of High Socioeconomic Level in a Developing Country. Ozumut SH, Erguven M, Besli E. *Medeni Med J*. 2020;35(3):236-241. doi: 10.5222/MMJ.2020.99836.

Measuring Food Culture: a Tool for Public Health Practice. Kanter R, Gittelsohn J. *Curr Obes Rep*. 2020 Oct 31. doi: 10.1007/s13679-020-00414-w.

Healthy choice architecture in the supermarket: Does it work? Thorndike AN. Soc Sci Med. 2020 Oct 24;113459. doi: 10.1016/j.socscimed.2020.113459.

Associations between body mass index trajectories in childhood and cardiovascular risk factors in adulthood. Blond K, Aarestrup J, Vistisen D, Bjerregaard LG, Jensen GB, Petersen J, Nordestgaard BG, Jørgensen ME, Jensen BW, Baker JL. Atherosclerosis. 2020 Oct 9;314:10-17. doi: 10.1016/j.atherosclerosis.2020.10.011.

Parental Attitudes to Childhood Overweight: The Multiple Paths through Healthy Eating, Screen Use, and Sleeping Time. Garcia-Conde MG, Marin L, Maya SR, Cuestas PJ. Int J Environ Res Public Health. 2020 Oct 27;17(21):E7885. doi: 10.3390/ijerph17217885.

Perception that Mothers and / or Guardians of Overweight or Obese Preschool Children Have of a Text Messaging Program to Support Behaviour Change in their Children. Parra-Soto S, Ortega A, Celis-Morales C, Kain J. Glob Pediatr Health. 2020 Oct 10;7:2333794X20961575. doi: 10.1177/2333794X20961575.

Cooking Up Energy: A Culinary Education Program for Children with Parent Outreach. Isoldi KK, Dolar V. Am J Health Behav. 2020 Sep 1;44(5):543-558. doi: 10.5993/AJHB.44.5.1.

Development of RisObIn.Com, a Screening Tool for Risk of Childhood Obesity in the Community. Moreira AC, Almeida Oliveira P, Borrego R, Nogueira T, Ferreira R, Virella D. Nutrients. 2020 Oct 27;12(11):E3288. doi: 10.3390/nu12113288.

Perspectives on youth-onset nonalcoholic fatty liver disease. Castillo-Leon E, Cioffi CE, Vos MB. Endocrinol Diabetes Metab. 2020 Sep 17;3(4):e00184. doi: 10.1002/edm2.184.

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International: Research related to COVID-19

From Influenza Virus to Novel Corona Virus (SARS-CoV-2)-The Contribution of Obesity. Bhattacharya I, Ghayor C, Pérez Dominguez A, Weber FE. Front Endocrinol (Lausanne). 2020 Oct 6;11:556962. doi: 10.3389/fendo.2020.556962.

The Impact of Obesity on COVID-19 Disease Severity. Long JD, Ward CA, Khorasani-Zadeh A. PRIMER. 2020 Aug 14;4:15. doi: 10.22454/PRIMER.2020.104798.

Body Mass Index as a Risk Factor for Clinical Outcomes in Patients Hospitalized with COVID-19 in New York. Kim T, Roslin M, Wang JJ, Kane J, Hirsch JS, Ji Kim E; Northwell Health COVID-19 Research Consortium. Obesity (Silver Spring). 2020 Oct 31. doi: 10.1002/oby.23076.

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Systematic reviews

The effect of front-of-package labels or point-of-sale signage on consumer knowledge, attitudes and behavior regarding sugar-sweetened beverages: a systematic review. Gupta A, Billich N, George NA, Blake MR, Huse O, Backholer K, Boelsen-Robinson T, Peeters A. Nutr Rev. 2020 Oct 29:nuaa107. doi: 10.1093/nutrit/nuaa107.

Effectiveness and promising behavior change techniques of interventions targeting energy balance related behaviors in children from lower socioeconomic environments: A systematic review. Anselma M, Chinapaw MJM, Kornet-van der Aa DA, Altenburg TM. PLoS One. 2020 Sep 1;15(9):e0237969. doi: 10.1371/journal.pone.0237969.

The impact of adult behavioural weight management interventions on mental health: A systematic review and meta-analysis. Jones RA, Lawlor ER, Birch JM, Patel MI, Werneck AO, Hoare E, Griffin SJ, van Sluijs EMF, Sharp SJ, Ahern AL. *Obes Rev.* 2020 Oct 25. doi: 10.1111/obr.13150.

Body mass index and risk of Parkinson, Alzheimer, Dementia, and Dementia mortality: a systematic review and dose-response meta-analysis of cohort studies among 5 million participants. Rahmani J, Roudsari AH, Bawadi H, Clark C, Ryan PM, Salehisahlabadi A, Rahimi Sakak F, Goodarzi N, Razaz JM. *Nutr Neurosci.* 2020 Oct 27:1-9. doi: 10.1080/1028415X.2020.1758888.

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